

Abstract

Apparatus and method are presented for
broadcasting an RF signal comprised of analog FM and
digital signals. An analog FM source provides an
5 analog FM signal. A digital source provides a digital
signal. A splitter splits the FM signal into a
fractional portion and remainder portion. A summer
combines the fractional portion with the digital signal
to provide a first combined signal. A main FM
10 transmitter amplifies the remainder portion to provide
an amplified FM signal. A digital transmitter
amplifies the first combined signal to provide an
amplified combined signal. A combiner combines the
amplified FM signal and the amplified combined signal
15 to provide a composite RF signal to be broadcasted.